PLAY METER

UPDATE EDITION

Volume 4, Number 8 **April 21, 1978**

Bally still plans casino

Bally Manufacturing Corp. is going ahead with its plan to build and operate an $83 million hotel-casino complex in Atlantic City, New Jersey. This decision to proceed is being made despite legislation passed in the state which, the company feels, will restrict its financing operations.

Bally has sought conventional long-term mortgage financing, but the firm now sees that possibility as being seriously affected by legislation passed March 17. An amendment to the casino law passed by the legislature and signed by the governor authorizes under certain circumstances the appointment of a conservator of not only the casino but the hotel as well.

"Bally may now have no alternative but to finance its project through internal resources and other forms of debt financing," said William T. O'Donnell, Bally president.

At the same time, O'Donnell said a recent report that Bally would "probably withdraw" its application for a casino license was "erroneous."

Bally's decision to proceed with its plan was reportedly prompted by assurances from New Jersey legislators and other government leaders that if its concerns were "well-founded, the act would be changed to meet industry needs."

O'Donnell also said that Bally is concerned that other potential licensees "not as financially strong (as Bally) may suffer from the narrowing financial alternatives caused by the amendment—and this could hurt the industry."

O'Donnell said other companies shared Bally's concern at recent hearings in Trenton, New Jersey and urged "the deletion of the conservatorship provision as Bally had suggested."

Bally is one of two companies to file an application for a permanent casino license.

Bally has purchased the Dennis Hotel in Atlantic City and has a long-term lease on the Marlborough-Blenheim, two of the resort's major properties.

The company said it is confident it will satisfy the very stringent requirements of the New Jersey Casino Control Act, and is hopeful that its June 1980 target date for opening its hotel-casino complex will be met.

Elcon moves up

Elcon Industries, a video game manufacturer, has moved to larger quarters to accommodate the increased production of existing Elcon video games.

The firm's new address is as follows: Elcon Industries, 2715 Nakota, Royal Oak, Michigan 48073. The new telephone number for the company is (313) 549-1140.

Elcon has also introduced a new wall game. The new wall game is fully interchangeable with all major components located in the door for easy access and service. Games can be changed simply by removing the door from its hinges and substituting another.

Also slated for production at Elcon is an innovative kiosk design which will hold wall games. The contemporary kiosk is free-standing and holds six wall games. Where space is limited, the unit can be arranged around an existing column, or three games can form a semi-circle against a wall.

Standing at the front door of their new building are (from left) Elcon Industries employees Mel Jacobs, Joyce DeVries, Andre Dubel, Michele Dubel, and Randy Shore.

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Berlin booked

West Germany's forthcoming International Coin Machine Exhibition at West Berlin to take place from April 26-28 is set. All the stand area available at the exhibition hall of the AMK, 22 Messedamm, D-1000 Berlin 19, has been booked out. According to the exhibitors' applications, there will be several interesting novelties on display showing the latest technological progress in the field of amusement only (as well as pay out) machines and accessories.

Also the banquet in the Palais am Funkturm highlighting the German Coin Machine Day on the third exhibition day's night will be featuring a grand artist program, according to the organizers.

The international visitors will be witnessing the world's most modern congress building just finishing construction. It is situated opposite the exhibition halls. Opening year of Berlin's most spectacular enrichment of architectural attractions will be 1979.

Gottlieb's Florida arrangement

After the untimely passing of Joe Mangone, All Coin Distributing in North Miami Beach, Florida, Marshall Caras, Gottlieb's marketing chief, visited with many of the distributors in Florida.

On his return, he announced that to maintain continuity of sales, service, and parts back-up in the state, many of Mangone's customers would be dealing directly with Gottlieb until all arrangements were finalized. These include Rowe-Miami and Belam-Florida (Miami), Rowe-Tampa, Southern Music Distributors (Orlando and Jacksonville) and Rowe-Jacksonville.

All have established service, parts and showroom facilities, and should be able to serve the needs of all of Florida's operators. All of these companies will be receiving shipments of Sinbad, Gottlieb's second solid state four-player.

Consistent with Gottlieb's policy of field back-up, Dick Finger ran a Gottlieb technical seminar in Miami for operators and distributor personnel the week of March 27th.

Hot Line

D. Gottlieb & Company has announced the installation of a Solid State Hot Line. This line is manned during normal working hours by solid state technicians and engineers—and is to be used for solid state service only.

For service on Gottlieb Solid State Games the number is 800-323-9121.

A number will be announced in the immediate future that can be used by Illinois operators.

CALENDAR

April 26-28
International Coin Machine Exhibition "ima '78" West Berlin, Germany

May 19-21
The Music and Amusement Association of New York, 1978 regional convention and trade show, Stevensville Country Club, Swan Lake, New York

June 2-3
Ohio Music and Amusement Association, annual convention, Columbus, Ohio

June 8-10
Music Operators of Texas, annual meeting, La Quinta Royale, Corpus Christi, Texas

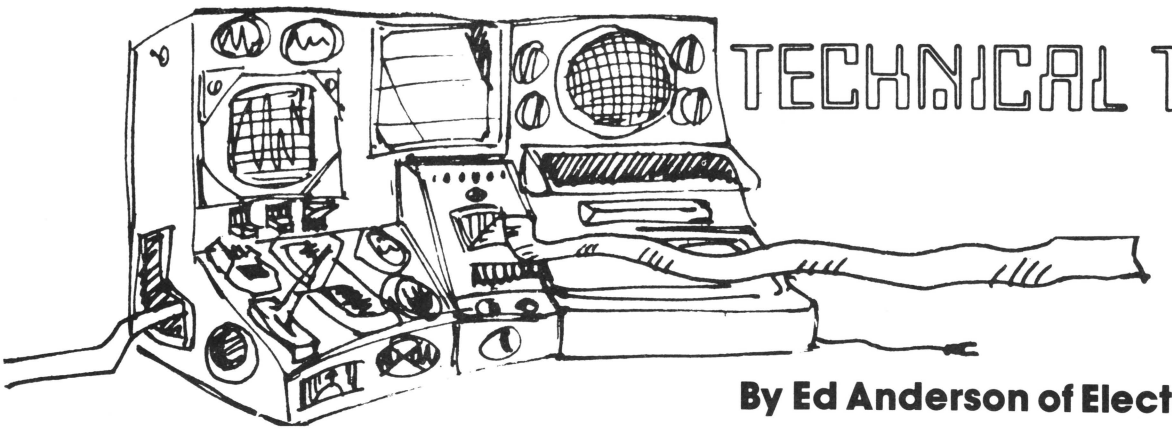
June 16-18
Illinois Coin Machine Operators Association, annual convention, Playboy Club, Lake Geneva, Wisconsin

July 14-15
Montana Coin Machine Operators Association, annual convention, Fairmont Hot Springs, Gregson, Montana

September 15-17
North Carolina Coin Operators Association, annual convention, Sheraton Center, Charlotte, North Carolina

September 21-23
Amusement and Music Operators of Virginia, annual convention, John Marshall Hotel, Richmond, Virginia

November 10-12
Amusement and Music Operators Association, annual convention and trade show, Conrad Hilton Hotel, Chicago, Illinois



TECHNICAL TOPICS

By Ed Anderson of Electronic Service

Voltage regulators

Last month's Update covered the basics of power supplies. Unfortunately, I.C. logic needs a very stable DC supply, free from ripple and transient voltage spikes, even under a changing load. Simple regulators can supply a set DC voltage but are unable to compensate for rapid or widely changing loads on the output.

The more sophisticated regulators can sample the supply line and quickly correct for the slightest error. Some have thermal shutdown and high current overload protection.

The simplest and most widely used is the LM 309 integrated regulator (See Figure One). It comes in a TO-3 case and has an input lead, an output lead, and case ground. It has full protection and can handle over one amp of load with a heat sink. The newer LM 323R is nearly identical and can supply over three amps. Other types are available for positive or negative 5V, 12V, 15V or 20V, low and medium power applications.

There are also ways of increasing the current capabilities of these regulators. If a low resistance is placed in parallel with the regulator some of the current flow may be routed around it. This only works for some applications because if the load becomes too light, the resistor will raise the output voltage above its set level and introduce ripple from the unregulated supply.

The simplest regulator is a Zener diode. As you know, a diode only conducts current in one direction, but every diode has a breakdown voltage or P.I.V. (Peak Inverse Voltage) rating. For common power rectifiers this may be in the area of 200 volts, and not of any concern in low voltage supplies.

A Zener diode, on the other hand is manufactured to have a precise breakdown voltage. Valves range from three volts on up.

If we put a twelve-volt Zener diode in series with a resistor and hook them across a twenty-volt DC unregulated supply, with the anode hooked to the negative side, the diode conducts current at its Zener breakdown voltage of twelve volts. The resistor limits the amount of current drawn through the diode. Zener diodes are rated in watts but with a little calculation the current rating can be found. It's as easy as P=IE (Power equals current times voltage). A common rating might be one watt. For a one watt twelve-volt Zener, 1 watt=I amps x 12 volts, there is maximum current rating or 1=1/12 amp or 83 milliamps. To be safe, the resistor should only allow 50 MA to flow through the Zener. The resistor should be the same rating as the Zener: 1 watt.

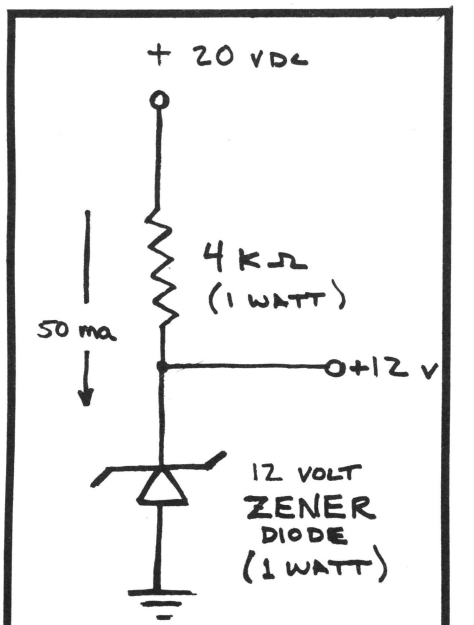


Figure Two

With ohms law the valve of the current limiting resistor is found. The voltage across the resistor is 20v-12v=8 volts. Ohm's law says voltage equals current times resistance. 8 volts = .05 amps x R ohms, so R = 4000 ohms.

Now we have a regulated twelve-volt source at the anode of the Zener than can supply up to 50 MA of current. If the current drawn is higher than that, the voltage will fall below Zener voltage of the diode and will show ripple from the unregulated supply. This circuit draws full current from the unregulated supply, load or no load and in medium power

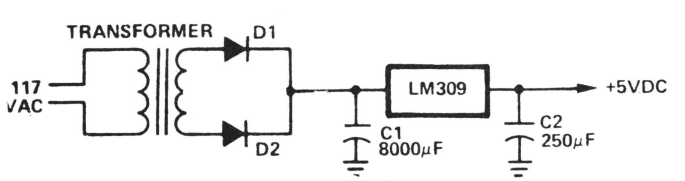


Figure One

applications bulky components and too much heat become problems. Some of this can be cured by adding a pass transistor.

A transistor basically controls current flow. There are two main types, NPN and PNP. Both have three leads: emitter base and collector. The base controls current flow between the collector and emitter. When current flows through the base emitter junction, the transistor is "turned on" and allows current to flow from collector to emitter. In an NPN transistor, current begins to flow when the base is at about +.7 volts with respect to the emitter. The collector must be positive in relation to both. A PNP transistor works the same way except that the voltages are negative.

Looking at Figure Two a +5.7 volt Zener regulator circuit is connected to the base of an NPN transistor. The collector is connected to the unregulated positive supply and the emitter is the output of the whole mess. The base will always be at 5.7 volts and the emitter will sit at 5 volts. Say a heavy load is added to the output, this will increase the current flow from base to emitter making the transistor turn on harder to keep the output at five volts. This circuit can handle much more power than the Zener alone and it dissipates heat only under load since the Zener is only needed as a voltage reference and draws only a few MA.

This regulating scheme isn't quite perfect because under heavy loads the higher base current in the transistor reduces the current through the Zener, lowering its voltage slightly. This of course shows up at the output. Care must also be taken not to short the output to ground or the transistor will destroy itself.

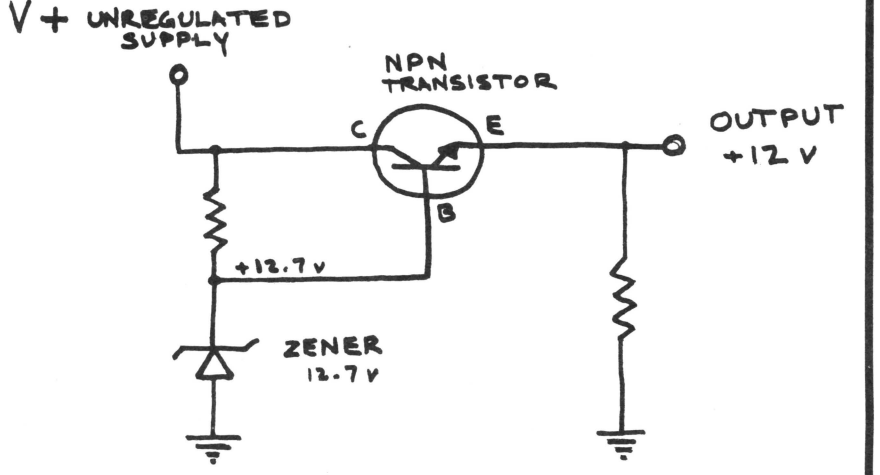


Figure Three

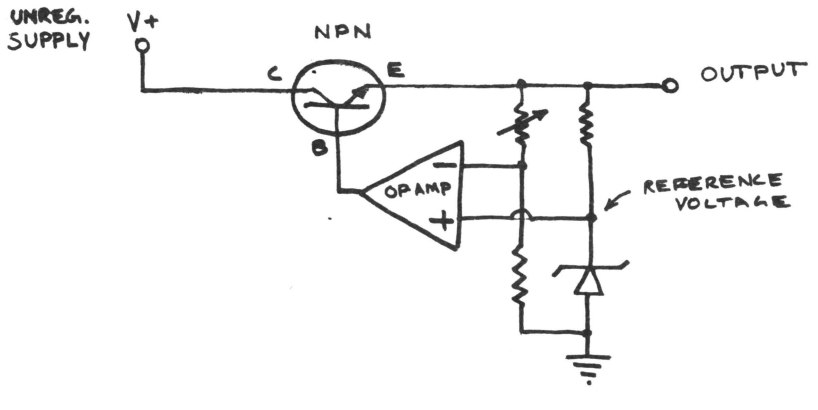


Figure Four

For a very stable output under different loads, the Zener reference must be isolated from the pass transistor. An OP amp IL can be used as an error amplifier. It has a very high input impedance so that will not affect the Zener reference. A voltage dropping network is used to get a sample of the output voltage and further isolate the Zener reference. The sample from the output and reference voltage are fed to separate inputs of the OP amp. The difference between the two is amplified and used to correct the base current in the transistor to obtain the desired output voltage.

If a pot is added to the resistor dropping network, it is possible to trim the output to the exact voltage desired.

The result is a very stable variable supply used in many video game applications. For increased reliability, current limiting and thermal shutdown can be added, but the parts count can get out of hand for normal applications.

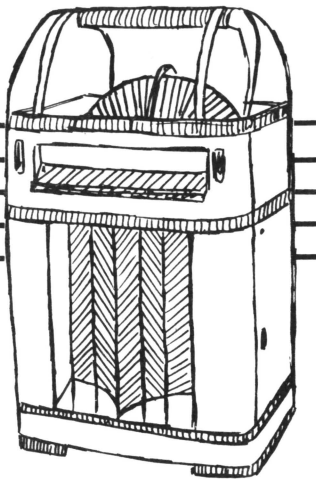
Some manufacturers use one of the many precision regulator IC's available to reduce the number of components and give a high quality supply for sensitive logic. Most of these chips have full protection and only need a few external resistors and a pass transistor for high current capability.

Servicing can be done in the field with only a VOM, but care must be taken not to damage the logic by turning on a supply with a shorted regulator. A Zener diode will check the same as any other diode using an ohmmeter. A good silicon diode will show con resistance with the positive lead on the cathode, negative to the anode, and infinite resistance in the other direction. Transistors are easily tested out of circuit by checking the resistance of each junction in both directions. A transistor acts like two diodes in series, cathode to cathode for NPN type, anode to anode for PNP type. There is infinite resistance between emitter and collector in both directions. Any leakage at all indicates a bad transistor. The base will show the same reading to either emitter or collector, and reversing the leads will show an open circuit at each junction.

Some indications of a bad regulator in a video game are hum bars on the screen, hum in the audio, characters flashing on the screen, picture too large, or wavy lines at the edge of the screen. Always be careful when replacing regulators because the wrong supply voltage can damage some components.

Music Programming

By Pat Matthews
WQUE New Orleans



In the looking glass

I hope the new concept of "chartering" my picks is welcomed by you as more adaptable than before. It has certainly helped me to be able to look myself in the mirror the morning after I write my reviews. Now, on with it:

MARATHON MAN—Eric Carmen AS 0319 Arista

From the very dramatic piano-synthesizer beginning to its fever-pitched crescendo ending, this, my friends, is a super rocker from Eric Carmen. This record is accentuated with driving, almost hypnotic drumming. Truthfully, it's some of the most powerful percussion work I've heard in years. The lyrics are somewhat of an autobiography and the vocals are positively high energy. It's exactly what I have come to expect from this superior talent. (A)-Pop

KOJAK THEME—John Davis & the Monster Orchestra 78-5009-1 Sam

This is exactly what it appears to be from the title. It's the theme song of one of the most popular television series of this generation—and of course it's DISCO. However, not quite what you'd expect. It's expertly done with a lilting, flowing string arrangement and "punchy" horns. This will definitely keep the dancing establishments reverberating and do a brisk jukebox business as well—simply due to curiosity. Just a hint—but I would type the title strip to read: "KOJAK THEME (DISCO)-JOHN DAVIS ORCHESTRA." (A)-Disco

DON'T MAKE LOVE (TO A COUNTRY MUSIC SINGER)—Mary Kay Place 3-10707 Columbia

It's a toe-tappin' country song with a storyline, some good pickin' and a great "hook"—the title. From Fernwood to Fort Lauderdale to Fresno it'll do a number on the country jukeboxes. (B)-C&W

TOPSY—Meco MN 613 DJ Millennium

It starts out like a half-hearted stab at "Wipeout" (remember that?) and evolves into a catchy Cantina Band arrangement of a Richard Carpenter composition. There's even speeded up "chipmunk" voices doo-doo-dooing the tune. Overall it's a happy sounding, very danceable sure shot winner and sounds oh so familiar. But, what is it? (B)-Pop (A)-Disco

STRANDED IN A LIMOUSINE—Paul Simon 3-10711 Columbia

If only I had a limo to be stranded in...well enough of this—here we have another cut from the incomparable Mr. Simon's "Greatest Hits, Etc." It seems to be a combination or potpourri, if you will, of many of his best known styles. From the "Mrs. Robinson" sound at the outset to its upbeat, gospel-like rhythms (GONE AT LAST, LOVES ME LIKE A ROCK), it really moves. Actually its an eerie tale done in a reckless carefree fashion. Watch this one, it should be around for a long time. (A)-Pop

DAYLIGHT AND DARKNESS—Smokey Robinson T 54293 F Tamla

The smooth mellow tones of William "Smokey" Robinson lend themselves perfectly to this easy soulful ballad. It's a steady, peaceful, well-arranged recording. There's sensuous female background harmonies and a floating flute which spices up the tune from the middle eight to the definite ending. Could be a crossover. (B)-R&B (B)-MOR

LET THE MUSIC PLAY—Dorothy Moore MAL 1048-A Malaco

No, not the Barry White song, but a new Frederick "I've Been Lonely Too Long" Knight composition, done in a driving Rhythm and Blues vein. There's just a touch of disco, possibly making this just what's needed to push it over the top for this superb vocalist. She can do it all—from dreamy ballads to fast movers. Besides, doesn't it sound just like something that came out of Memphis in the sixties? (B)-R&B

YOU'RE THE LOVE—Seals and Crofts WBS 8551 Warner Bros.

Totally unlike anything you've ever heard by this duo of velvet voices. Oh, the sweet sounds are still there, but the arrangement is so different from what you'd expect from them. There's Gene Page strings and a soft, yet noticeable disco beat. If you were to play just the middle eight instrumental bars for a dyed-in-the-wool Seals and Crofts fanatic, they wouldn't guess who they were listening to. It's hard to say whether their legions of fans will be offended, but it's certain they'll pick up on a yet unclaimed audience—sort of what the Bee Gees have done in recent years. (A)-Pop

EXPRESSWAY TO YOUR HEART—Mike Finnigan 3-10712 Columbia

Take the former keyboard man for Dave Mason, then add a Gamble & Huff classic and what do you get? You get this single which is an expressway to the dance floor. It's a very slick update of this hit from the late sixties. Finnigan *is* an accomplished pianist and proves to be strong in the vocal department as well. There's a driving bass that'll knock your headlights out and a horn section that should make you want more and more. (A)-R&B (B)-Pop

RECORD WORLD SINGLES CHART

TITLE, ARTIST, Label, Number, (Distributing Label)

APR. 15	APR. 8		WKS. ON CHART
1	1	**NIGHT FEVER** BEE GEES RSO 889 (4th Week)	11
2	2	**CAN'T SMILE WITHOUT YOU** BARRY MANILOW/Arista 0305	11
3	3	**STAYIN' ALIVE** BEE GEES/RSO 885	19
4	5	**IF I CAN'T HAVE YOU** YVONNE ELLIMAN/RSO 884	9
5	6	**DUST IN THE WIND** KANSAS/Kirshner 8 4274 (CBS)	12
6	4	**EMOTION** SAMANTHA SANG/Private Stock 178	23
7	12	**THE CLOSER I GET TO YOU** ROBERTA FLACK (WITH DONNY HATHAWAY)/Atlantic 3463	9
8	8	**LAY DOWN SALLY** ERIC CLAPTON/RSO 886	16
9	7	**JACK & JILL** RAYDIO/Arista 0283	18
10	11	**EBONY EYES** BOB WELCH/Capitol 4543	12
11	9	**OUR LOVE** NATALIE COLE/Capitol 4509	17
12	15	**WE'LL NEVER HAVE TO SAY GOODBYE AGAIN** ENGLAND DAN & JOHN FORD COLEY/Big Tree 16110 (Atlantic)	8
13	14	**GOODBYE GIRL** DAVID GATES/Elektra 45450	18
14	16	**RUNNING ON EMPTY** JACKSON BROWNE/Asylum 45460	10
15	17	**FLASH LIGHT** PARLIAMENT/Casablanca 909	11
16	10	**(LOVE IS) THICKER THAN WATER** ANDY GIBB/RSO 883	25
17	20	**COUNT ON ME** JEFFERSON STARSHIP/Grunt 11196 (RCA)	6
18	21	**FEELS SO GOOD** CHUCK MANGIONE/A&M 2001	12
19	23	**WITH A LITTLE LUCK** WINGS/Capitol 4559	3
20	24	**IMAGINARY LOVER** ATLANTA RHYTHM SECTION/ Polydor 14459	8
21	22	**THANK YOU FOR BEING A FRIEND** ANDREW GOLD/ Asylum 45456	10
22	29	**ON BROADWAY** GEORGE BENSON/Warner Bros. 8542	6
23	25	**SWEET TALKIN' WOMAN** ELO/Jet 1145 (UA)	9
24	27	**DISCO INFERNO** TRAMMPS/Atlantic 3389	9
25	28	**FOOLING YOURSELF** STYX/A&M 2007	9
26	26	**BEFORE MY HEART FINDS OUT** GENE COTTON/Ariola 7675	10
27	30	**I'M GONNA TAKE CARE OF EVERYTHING** RUBICON/ 20th Century 2362	8
28	13	**SOMETIMES WHEN WE TOUCH** DAN HILL/20th Century 2355	21
29	42	**TOO MUCH, TOO LITTLE, TOO LATE** JOHNNY MATHIS/ DENIECE WILLIAMS/Columbia 3 10693	5
30	36	**YOU'RE THE ONE THAT I WANT** JOHN TRAVOLTA AND OLIVIA NEWTON-JOHN/RSO 891	3
31	35	**BABY HOLD ON** EDDIE MONEY/Columbia 3 10663	9
32	39	**WEREWOLVES OF LONDON** WARREN ZEVON/Asylum 45472	4
33	38	**MOVIN' OUT (ANTHONY'S SONG)** BILLY JOEL/Columbia 3 10708	5
34	34	**FANTASY** EARTH, WIND & FIRE/Columbia 3 10688	8
35	19	**LADY LOVE** LOU RAWLS/Phila. Intl. 8 03634 (CBS)	17
36	18	**WE ARE THE CHAMPIONS/WE WILL ROCK YOU** QUEEN/ Elektra 45441	26
37	40	**THIS TIME I'M IN IT FOR LOVE** PLAYER/RSO 890	6
38	31	**FALLING** LeBLANC & CARR/Big Tree 16101 (Atlantic)	20
39	41	**THE CIRCLE IS SMALL** GORDON LIGHTFOOT/Warner Bros. 8518	10
40	50	**DANCE WITH ME** PETER BROWN/Drive 6269 (TK)	7
41	49	**TWO DOORS DOWN** DOLLY PARTON/RCA 11240	5
42	33	**THUNDER ISLAND** JAY FERGUSON/Asylum 45444	18
43	48	**LET'S ALL CHANT** MICHAEL ZAGER BAND/Private Stock 184	7
44	47	**MORE THAN A WOMAN** TAVARES/Capitol 4500	10
45	46	**ROCKET RIDE** KISS/Casablanca 915	7

CHARTMAKER OF THE WEEK

46	—	**EGO** ELTON JOHN MCA 40892	1
47	64	**IT'S A HEARTACHE** BONNIE TYLER/RCA 11249	4
48	51	**SWEET, SWEET SMILE** CARPENTERS/A&M 2008	10
49	44	**BOOGIE SHOES** KC & THE SUNSHINE BAND/TK 1025	11
50	32	**ALWAYS AND FOREVER** HEATWAVE/Epic 8 50490	16
51	—	**SHADOW DANCING** ANDY GIBB/RSO 893	1
52	58	**LOVE IS LIKE OXYGEN** SWEET/Capitol 4549	8
53	56	**DON'T COST YOU NOTHING** ASHFORD & SIMPSON/ Warner Bros. 8514	8
54	63	**MAKE YOU FEEL LOVE AGAIN** WET WILLIE/Epic 8 50528	3
55	62	**(I WILL BE YOUR) SHADOW IN THE STREET** ALLAN CLARKE/ Atlantic 3459	4
56	60	**I CAN'T STAND THE RAIN** ERUPTION/Ariola 7686	5
57	61	**YANK ME, CRANK ME** TED NUGENT/Epic 50533	3
58	66	**TWO OUT OF THREE AIN'T BAD** MEATLOAF/Epic/ Cleveland Intl. 8 50513	5
59	75	**DEACON BLUES** STEELY DAN/ABC 1235	2
60	69	**EVERY KINDA PEOPLE** ROBERT PALMER/Island 100	3
61	67	**DANCE ACROSS THE FLOOR** JIMMY "BO" HORNE/ SHS 1003 (TK)	5
62	37	**HOT LEGS** ROD STEWART/Warner Bros. 8535	9
63	43	**I GO CRAZY** PAUL DAVIS/Bang 733	34
64	53	**BABY COME BACK** PLAYER/RSO 879	29
65	68	**THAT IS YOUR SECRET** SEA LEVEL/Capricorn 9287	6
66	74	**WHEEL IN THE SKY** JOURNEY/Columbia 3 10700	3
67	59	**MAMMAS DON'T LET YOUR BABIES GROW UP TO BE COWBOYS** WAYLON & WILLIE/RCA 11198	9
68	71	**CELEBRATE ME HOME** KENNY LOGGINS/Columbia 3 10652	3
69	78	**AIN'T GONNA EAT OUT MY HEART ANYMORE** ANGEL/ Casablanca 914	3
70	80	**BECAUSE THE NIGHT** PATTI SMITH/Arista 0318	2
71	72	**MUSIC, HARMONY AND RHYTHM** BROOKLYN DREAMS/ Millennium 610 (Casablanca)	4
72	85	**HEARTLESS** HEART/Mushroom 7031	2
73	73	**NEVER GET ENOUGH OF YOUR LOVE** LTD/A&M 2005	6
74	45	**WHICH WAY IS UP** STARGARD/MCA 40825	13
75	55	**THE NAME OF THE GAME** ABBA/Atlantic 3449	14
76	52	**JUST THE WAY YOU ARE** BILLY JOEL/Columbia 3 10646	23
77	86	**DO YOU BELIEVE IN MAGIC** SHAUN CASSIDY/Warner/ Curb 8488 (WB)	2
78	79	**SITTING IN LIMBO** DON BROWN/First American Records 102	3
79	70	**LITTLE ONE** CHICAGO/Columbia 3 10683	6
80	81	**WATCHING THE DETECTIVES** ELVIS COSTELLO/Columbia 3 10705	6
81	87	**MAMA LET HIM PLAY** DOUCETTE/Mushroom 7030	2
82	83	**THE HOUSE OF THE RISING SUN** SANTA ESMERALDA/ Casablanca 913	6
83	84	**BOOTZILLA** BOOTSY'S RUBBER BAND/Warner Bros. 8512	13
84	54	**(WHAT A) WONDERFUL WORLD** ART GARFUNKEL WITH JAMES TAYLOR & PAUL SIMON/Columbia 3 10676	12
85	76	**YOUR LOVE IS SO GOOD FOR ME** DIANA ROSS/Motown Motown 1436	4
86	—	**STAY** RUFUS/CHAKA KHAN/ABC 12349	1
87	91	**READY FOR THE TIMES TO GET BETTER** CRYSTAL GAYLE/ United Artists 1136	4
88	89	**HONEY, DON'T LEAVE L.A.** JAMES TAYLOR/Columbia 3 10689	7
89	57	**IT'S YOU THAT I NEED** ENCHANTMENT/Roadshow 1124 (UA)	13
90	88	**THE WAY YOU DO THE THINGS YOU DO** RITA COOLIDGE/ A&M 2004	13
91	92	**LET ME PARTY WITH YOU** BUNNY SIGLER/Gold Mind 4008 (Salsoul)	5
92	82	**DANCE, DANCE, DANCE (YOWSAH, YOWSAH, YOWSAH)** CHIC/Atlantic 3425	22
93	65	**HAPPY ANNIVERSARY** LITTLE RIVER BAND/Harvest 4524 (Capitol)	16
94	—	**A LOVER'S QUESTION** JACKY WARD/Mercury 55018	1
95	97	**I COULD HAVE LOVED YOU** MOMENTS/Stang 5075 (All Platinum)	2
96	94	**HOW DEEP IS YOUR LOVE** BEE GEES/RSO 882	29
97	—	**OH HOW HAPPY** SKYLINERS/Tortoise Intl. 11243 (RCA)	1
98	99	**DO YOU LOVE SOMEBODY** LUTHER INGRAM/Koko 728	2
99	—	**BAKER STREET** GERRY RAFFERTY/United Artists 1192	1
100	93	**PUT YOUR HEAD ON MY SHOULDER** LEIF GARRETT/ Atlantic 3466	8

Top Country Hits

Now	Was		
1	1	**SOMEONE LOVES YOU HONEY**	CHARLEY PRIDE/RCA PB 11201
2	4	**IT DON'T FEEL LIKE SINNIN' TO ME**	KENDALLS/Ovation 1106
3	6	**I CHEATED ON A GOOD WOMAN'S LOVE**	BILLY CRASH CRADDOCK/Capitol 4545
4	8	**HEARTS ON FIRE**	EDDIE RABBITT/Elektra 45461
5	9	**EVERY TIME TWO FOOLS COLLIDE**	KENNY ROGERS & DOTTIE WEST/United Artists XW 1137
6	7	**I'VE GOT A WINNER IN YOU**	DON WILLIAMS/ABC 12332
7	5	**A LOVER'S QUESTION**	JACKY WARD/Mercury 55018
8	10	**SWEET SWEET SMILE**	CARPENTERS/A&M 2008
9	13	**IT'S ALL WRONG, BUT IT'S ALL RIGHT**	DOLLY PARTON/RCA AFL 12544
10	16	**WE BELIEVE IN HAPPY ENDINGS**	JOHNNY RODRIGUEZ/Mercury 55020
11	18	**SHE CAN PUT HER SHOES UNDER MY BED (ANYTIME)**	JOHNNY DUNCAN/Columbia 3 10694
12	12	**I WOULD LIKE TO SEE YOU AGAIN**	JOHNNY CASH/Columbia 3 10681
13	14	**DON'T EVER SAY GOODBYE**	T.G. SHEPPARD/Warner Bros. 8525
14	15	**BUCKET TO THE SOUTH**	AVA BARBER/Ranwood 1083
15	2	**READY FOR THE TIMES TO GET BETTER**	CRYSTAL GAYLE/United Artists XW 1136
16	19	**STARTING ALL OVER AGAIN**	DON GIBSON/ABC/Hickory 5402
17	20	**MAYBE BABY**	SUSIE ALLANSON/Warner/Curb 8534
18	22	**I'M ALWAYS ON A MOUNTAIN WHEN I FALL**	MERLE HAGGARD/MCA 40869
19	24	**I'LL NEVER BE FREE**	JIM ED BROWN & HELEN CORNELIUS/RCA PB 11220
20	29	**DO YOU KNOW YOU ARE MY SUNSHINE**	STATLER BROTHERS/Mercury 55022

Top Soul Hits

Now	Was		
1	2	**TOO MUCH, TOO LITTLE, TOO LATE**	JOHNNY MATHIS/DENIECE WILLIAMS/Columbia 3 10693
2	1	**THE CLOSER I GET TO YOU**	ROBERTA FLACK WITH DONNY HATHAWAY/Atlantic 3463
3	3	**BOOTZILLA**	BOOTSY'S RUBBER BAND/Warner Bros. 8512
4	4	**FLASH LIGHT**	PARLIAMENT/Casablanca 909
5	6	**DANCE WITH ME**	PETER BROWN/Drive 6269
6	10	**ON BROADWAY**	GEORGE BENSON/Warner Bros. 8542
7	5	**STAYIN' ALIVE**	BEE GEES/RSO 885
8	7	**OUR LOVE**	NATALIE COLE/Capitol 4509
9	8	**IT'S YOU THAT I NEED**	ENCHANTMENT/Roadshow 1124
10	9	**WHICH WAY IS UP**	STARGARD/MCA 40825
11	13	**NIGHT FEVER**	BEE GEES/RSO 889
12	11	**REACHING FOR THE SKY**	PEABO BRYSON/Capitol 4522
13	12	**JACK & JILL**	RAYDIO/Arista 0283
14	14	**DON'T COST YOU NOTHING**	ASHFORD & SIMPSON/Warner Bros. 8514
15	15	**ALWAYS AND FOREVER**	HEATWAVE/Epic 8 50490
16	17	**LET ME PARTY WITH YOU**	BUNNY SIGLER/Gold Mind 4008
17	16	**AM I LOSING YOU**	MANHATTANS/Columbia 3 10674
18	19	**DO YOU LOVE SOMEBODY**	LUTHER INGRAM/KoKo 728
19	20	**I COULD HAVE LOVED YOU**	MOMENTS/Stang 5075
20	18	**NEVER GET ENOUGH OF YOUR LOVE**	LTD/A&M 2005

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